



IFWO

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/719,695**

DATE: 09/10/2004  
 TIME: 10:22:25

Input Set : A:\Isa01201.app  
 Output Set: N:\CRF4\09102004\J719695.raw

3 <110> APPLICANT: NG, LEONG  
 5 <120> TITLE OF INVENTION: BODILY FLUID MARKERS OF TISSUE HYPOXIA  
 7 <130> FILE REFERENCE: ISA-012.01  
 9 <140> CURRENT APPLICATION NUMBER: 10/719,695  
 10 <141> CURRENT FILING DATE: 2003-11-21  
 12 <150> PRIOR APPLICATION NUMBER: GB 0322390.6  
 13 <151> PRIOR FILING DATE: 2003-09-24  
 15 <150> PRIOR APPLICATION NUMBER: GB 0227179.9  
 16 <151> PRIOR FILING DATE: 2002-11-21  
 18 <160> NUMBER OF SEQ ID NOS: 3  
 20 <170> SOFTWARE: PatentIn Ver. 3.2  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 999  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Homo sapiens  
 27 <400> SEQUENCE: 1  
 28 Met Ala Asp Lys Val Arg Arg Gln Arg Pro Arg Arg Arg Val Cys Trp  
 29   1               5                           10                           15  
 31 Ala Leu Val Ala Val Leu Leu Ala Asp Leu Leu Ala Leu Ser Asp Thr  
 32   20               25   30  
 34 Leu Ala Val Met Ser Val Asp Leu Gly Ser Glu Ser Met Lys Val Ala  
 35   35               40   45  
 37 Ile Val Lys Pro Gly Val Pro Met Glu Ile Val Leu Asn Lys Glu Ser  
 38   50               55   60  
 40 Arg Arg Lys Thr Pro Val Ile Val Thr Leu Lys Glu Asn Glu Arg Phe  
 41   65               70   80  
 43 Phe Gly Asp Ser Ala Ala Ser Met Ala Ile Lys Asn Pro Lys Ala Thr  
 44               85   95  
 46 Leu Arg Tyr Phe Gln His Leu Leu Gly Lys Gln Ala Asp Asn Pro His  
 47               100                                   105                           110  
 49 Val Ala Leu Tyr Gln Ala Arg Phe Pro Glu His Glu Leu Thr Phe Asp  
 50               115                                   120                           125  
 52 Pro Gln Arg Gln Thr Val His Phe Gln Ile Ser Ser Gln Leu Gln Phe  
 53               130                                   135                           140  
 55 Ser Pro Glu Glu Val Leu Gly Met Val Leu Asn Tyr Ser Arg Ser Leu  
 56               145                                   150                           160  
 58 Ala Glu Asp Phe Ala Glu Gln Pro Ile Lys Asp Ala Val Ile Thr Val  
 59               165                                   170                           175  
 61 Pro Val Phe Phe Asn Gln Ala Glu Arg Arg Ala Val Leu Gln Ala Ala  
 62               180                                   185                           190  
 64 Arg Met Ala Gly Leu Lys Val Leu Gln Leu Ile Asn Asp Asn Thr Ala  
 65               195                                   200                           205  
 67 Thr Ala Leu Ser Tyr Gly Val Phe Arg Arg Lys Asp Ile Asn Thr Thr

**ENTERED**

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68	210	215	220
70	Ala Gln Asn Ile Met Phe Tyr Asp Met Gly Ser Gly Ser Thr Val Cys		
71	225	230	235
73	Thr Ile Val Thr Tyr Gln Met Val Lys Thr Lys Glu Ala Gly Met Gln		240
74	245	250	255
76	Pro Gln Leu Gln Ile Arg Gly Val Gly Phe Asp Arg Thr Leu Gly Gly		
77	260	265	270
79	Leu Glu Met Glu Leu Arg Leu Arg Glu Arg Leu Ala Gly Leu Phe Asn		
80	275	280	285
82	Glu Gln Arg Lys Gly Gln Arg Ala Lys Asp Val Arg Glu Asn Pro Arg		
83	290	295	300
85	Ala Met Ala Lys Leu Leu Arg Glu Ala Asn Arg Leu Lys Thr Val Leu		
86	305	310	315
88	Ser Ala Asn Ala Asp His Met Ala Gln Ile Glu Gly Leu Met Asp Asp		320
89	325	330	335
91	Val Asp Phe Lys Ala Lys Val Thr Arg Val Glu Phe Glu Glu Leu Cys		
92	340	345	350
94	Ala Asp Leu Phe Glu Arg Val Pro Gly Pro Val Gln Gln Ala Leu Gln		
95	355	360	365
97	Ser Ala Glu Met Ser Leu Asp Glu Ile Glu Gln Val Ile Leu Val Gly		
98	370	375	380
100	Gly Ala Thr Arg Val Pro Arg Val Gln Glu Val Leu Leu Lys Ala Val		
101	385	390	395
103	Gly Lys Glu Glu Leu Gly Lys Asn Ile Asn Ala Asp Glu Ala Ala Ala		400
104	405	410	415
106	Met Gly Ala Val Tyr Gln Ala Ala Ala Leu Ser Lys Ala Phe Lys Val		
107	420	425	430
109	Lys Pro Phe Val Val Arg Asp Ala Val Val Tyr Pro Ile Leu Val Glu		
110	435	440	445
112	Phe Thr Arg Glu Val Glu Glu Pro Gly Ile His Ser Leu Lys His		
113	450	455	460
115	Asn Lys Arg Val Leu Phe Ser Arg Met Gly Pro Tyr Pro Gln Arg Lys		
116	465	470	475
118	480	485	490
119	495		
121	Val Ile Thr Phe Asn Arg Tyr Ser His Asp Phe Asn Phe His Ile Asn		
122	500	505	510
124	Tyr Gly Asp Leu Gly Phe Leu Gly Pro Glu Asp Leu Arg Val Phe Gly		
125	515	520	525
127	Ser Gln Asn Leu Thr Thr Val Lys Leu Lys Gly Val Gly Asp Ser Phe		
128	530	535	540
130	Lys Lys Tyr Pro Asp Tyr Glu Ser Lys Gly Ile Lys Ala His Phe Asn		
131	545	550	555
133	Leu Asp Glu Ser Gly Val Leu Ser Leu Asp Arg Val Glu Ser Val Phe		560
134	565	570	575
136	Leu Gly Asn Thr Ile Ser Ser Leu Phe Gly Gly Gly Thr Thr Pro Asp		
137	580	585	590
139	Ala Lys Glu Asn Gly Thr Asp Thr Val Gln Glu Glu Glu Ser Pro		
140	595	600	605

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142 Ala Glu Gly Ser Lys Asp Glu Pro Gly Glu Gln Val Glu Leu Lys Glu  
 143 610 615 620  
 145 Glu Ala Glu Ala Pro Val Glu Asp Gly Ser Gln Pro Pro Pro Pro Glu  
 146 625 630 635 640  
 148 Pro Lys Gly Asp Ala Thr Pro Glu Gly Glu Lys Ala Thr Glu Lys Glu  
 149 645 650 655  
 151 Asn Gly Asp Lys Ser Glu Ala Gln Lys Pro Ser Glu Lys Ala Glu Ala  
 152 660 665 670  
 154 Gly Pro Glu Gly Val Ala Pro Ala Pro Glu Gly Glu Lys Lys Gln Lys  
 155 675 680 685  
 157 Pro Ala Arg Lys Arg Arg Met Val Glu Glu Ile Gly Val Glu Leu Val  
 158 690 695 700  
 160 Val Leu Asp Leu Pro Asp Leu Pro Glu Asp Lys Leu Ala Gln Ser Val  
 161 705 710 715 720  
 163 Gln Lys Leu Gln Asp Leu Thr Leu Arg Asp Leu Glu Lys Gln Glu Arg  
 164 725 730 735  
 166 Glu Lys Ala Ala Asn Ser Leu Glu Ala Phe Ile Phe Glu Thr Gln Asp  
 167 740 745 750  
 169 Lys Leu Tyr Gln Pro Glu Tyr Gln Glu Val Ser Thr Glu Glu Gln Arg  
 170 755 760 765  
 172 Glu Glu Ile Ser Gly Lys Leu Ser Ala Ala Ser Thr Trp Leu Glu Asp  
 173 770 775 780  
 175 Glu Gly Val Gly Ala Thr Thr Val Met Leu Lys Glu Lys Leu Ala Glu  
 176 785 790 795 800  
 178 Leu Arg Lys Leu Cys Gln Gly Leu Phe Phe Arg Val Glu Glu Arg Lys  
 179 805 810 815  
 181 Lys Trp Pro Glu Arg Leu Ser Ala Leu Asp Asn Leu Leu Asn His Ser  
 182 820 825 830  
 184 Ser Met Phe Leu Lys Gly Ala Arg Leu Ile Pro Glu Met Asp Gln Ile  
 185 835 840 845  
 187 Phe Thr Glu Val Glu Met Thr Thr Leu Glu Lys Val Ile Asn Glu Thr  
 188 850 855 860  
 190 Trp Ala Trp Lys Asn Ala Thr Leu Ala Glu Gln Ala Lys Leu Pro Ala  
 191 865 870 875 880  
 193 Thr Glu Lys Pro Val Leu Leu Ser Lys Asp Ile Glu Ala Lys Met Met  
 194 885 890 895  
 196 Ala Leu Asp Arg Glu Val Gln Tyr Leu Leu Asn Lys Ala Lys Phe Thr  
 197 900 905 910  
 199 Lys Pro Arg Pro Arg Pro Lys Asp Lys Asn Gly Thr Arg Ala Glu Pro  
 200 915 920 925  
 202 Pro Leu Asn Ala Ser Ala Ser Asp Gln Gly Glu Lys Val Ile Pro Pro  
 203 930 935 940  
 205 Ala Gly Gln Thr Glu Asp Ala Glu Pro Ile Ser Glu Pro Glu Lys Val  
 206 945 950 955 960  
 208 Glu Thr Gly Ser Glu Pro Gly Asp Thr Glu Pro Leu Glu Leu Gly Gly  
 209 965 970 975  
 211 Pro Gly Ala Glu Pro Glu Gln Lys Glu Gln Ser Thr Gly Gln Lys Arg  
 212 980 985 990  
 214 Pro Leu Lys Asn Asp Glu Leu

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215            995  
218 <210> SEQ ID NO: 2  
219 <211> LENGTH: 13  
220 <212> TYPE: PRT  
221 <213> ORGANISM: Homo sapiens  
223 <400> SEQUENCE: 2  
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225     1                5                10  
228 <210> SEQ ID NO: 3  
229 <211> LENGTH: 14  
230 <212> TYPE: PRT  
231 <213> ORGANISM: Artificial Sequence  
233 <220> FEATURE:  
234 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
235        peptide  
237 <400> SEQUENCE: 3  
238 Cys Leu Ala Val Met Ser Val Asp Leu Gly Ser Glu Ser Met  
239     1                5                10

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/719,695

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